1646

Saoud



RAW SEQUENCE LISTING
PATENT APPLICATION US/08/765,588

DATE: 09/01/98 TIME: 16:14:03

Input Set: H765588.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

new formet

1 2	<110>	APPLICANT: Hayward, Nicholas K. Weber, Gunther	ENTERED
		Grimmond, Sean	
3			
4 5		Nordenskjold, Magnus Zarsson, Catharina	
6	/120 \	TITLE OF INVENTION: A NOVEL GROWTH FACTOR AND A	GENERIC SECUENCE ENCODING
7	\120/	SAME	GENETIC SEQUENCE ENCODING
8	<130>	FILE REFERENCE: DAVIES	
9		CURRENT APPLICATION NUMBER: US/08/765,588	
10		CURRENT FILING DATE: 1997-04-25	
11		NUMBER OF SEQ ID NOS: 23	
12		SOFTWARE: Patentin Ver. 2.0	
13		SEQ ID NO 1	
14		LENGTH: 649	
15		TYPE: DNA	
16		DRGANISM: Nucleotide Sequence of VEGF165	
17		FEATURE:	
18		NAME/KEY: CDS	
19		LOCATION: (17)(589)	-
20		SEQUENCE: 1	
21		togggcotec gaaace atg aac ttt etg etg tet tgg g	tg cat tgg agc ctt 52
22		Met Asn Phe Leu Leu Ser Trp Va	al His Trp Ser Leu
23		1 5	10
24		gcc ttg ctg ctc tac ctc cac cat gcc aag tgg tcc	cag get gea ecc 100
25		Ala Leu Leu Tyr Leu His His Ala Lys Trp Ser	Gln Ala Ala Pro
26		15 20	25
27		atg gca gaa gga ggg gag aat cat cac gaa gtg	gtg aag ttc atg 148
28		Met Ala Glu Gly Gly Gln Asn His His Glu Val	Val Lys Phe Met
29		30 35 40	
30		gat gtc tat cag cgc agc tac tgc cat cca atc gag	
31		Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu	Thr Leu Val Asp
32		45 50 55	60
33		atc ttc cag gag tac cct gat gag atc gag tac atc	-
34		Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile	Phe Lys Pro Ser
35		. 65 70	75
36	•	gt gtg ccc ctg atg cga tgc ggg ggc tgc tgc aat	
37		Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn	
38		80 85	90
39		gag tgt gtg ccc act gag gag tcc aac atc acc atg	
40		Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met	
41		95 100	105
42		atc aaa cct cac caa ggc cag cac ata gga gag atg	_
43		Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met	Ser Phe Leu Gln
44		110 115 120	

PAGE: 2 RAW SEQUENCE LISTING DATE: 09/01/98

PATENT APPLICATION US/08/765,588 TIME: 16:14:03

													,	<u>-</u>				
45		cac	aac	aaa	tgt	gaa	tgc	aga	сса	aag	aaa	gat	aga	gca	aga	caa	gaa	436
46					_	_	_	_		Lys		_	_	_	_		_	
47		125		•	-		130	Ū		-	•	135	_		Ī		140	
48		aat	ccc	tqt	aaa	cct	tgc	tca	gag	cgg	aga	aag	cat	ttg	ttt	qta	caa	484
49										Arg								
50				•	•	145	-				150	_				155		
51		gat	ccq	caq	acq	tat	aaa	tat	tcc	tgc	aaa	aac	aca	qac	tcq	cqt	tgc	532
52		_	_	_	_	_		-		Cys				_	_	_	_	
53		•			160	•	•	-		165	•			_	170	•	-	
54		aaq	qcq	agg	caq	ctt	qaq	tta	aac	gaa	cgt	act	tgc	aga	tgt	gac	aag	580
55					_					Glu	_		_	_	_	_	_	
56		•		175					180		_			185	-	-	-	
57		ccg	agg	cqq	tgad	gccg	qc a	agga	ggaag	gg ag	gcct	ccct	age	cgtt	tcgg			629
58			Arg								_		_	_				
59			190	_														
60		gaad	ccag	atc 1	tctca	acca	gg											649
61	<210>	SEQ	ID I	NO 2													*	
62	<211>	LEN	GTH:	191														
63	<212>	TYP	E: P	RT														
64	<213>	ORG	ANIS	M: Ni	ıcle	otide	e Sed	quen	ce o	f VE	3F16	5						
65	<400>	SEQ	UENC	E: 2														
66		Met	Asn	Phe	Leu	Leu	Ser	Trp	Val	His	Trp	Ser	Leu	Ala	Leu	Leu	Leu	
67		1				5					10					15		
68		Tyr	Leu	His	His	Ala	Lys	Trp	Ser	Gln	Ala	Ala	Pro	Met	Ala	Glu	Gly	
69					20					25					30			
70		Gly	Gly		Asn	His	His	Glu		Val	Lys	Phe	Met	_	Val	Tyr	Gln	
71				35				_	40					45				
72		Arg		Tyr	Cys	His	Pro		Glu	Thr	Leu	Val	-	Ile	Phe	Gln	Glu	
73		_	50	_	3			55		_,	_	_	60	_		_	_	
74		_	Pro	Asp	GLu	IIe		Tyr	ITe	Phe	Lys		Ser	Cys	Val	Pro		
75 76		65	.	a	a 3	a1	70	~		.	a 1	75	T	a 1	~		80	
76		мет	Arg	cys	GTÀ	_	cys	cys	ASN	Asp		GTÀ	reu	GIU	cys		Pro	
77		mb	a1	a 1	C 0 T	85	т1.	mb ~	Wa+	a1 m	90	Wa+	N == ~	Tla	T	95 DT0	uic	
78 79		THE	GIU	GIU	100	ASII	TTe	· THE	Mec	Gln 105	TTE	Met	Arg	TTE	110	PIO	птѕ	
80		Gl n	Gl v	aln		Tla	Gl v	Glu	Mot	Ser	Dha	Lau	Gl n	Uic	-	Lve	Cve	
81		GIII	GLY	115	1113	116	СТУ	GIU	120	Ser	FILE	пеа	GIII	125	ASII	цуз	Cys	
82		Glu	Cvs		Pro	T.vc	T.179	Asn		Ala	Δra	Gln	Glu		Pro	Cvs	Glv	
83			130	9		-,-	_,_	135	9	****	9	·	140			0,5	01	
84		Pro		Ser	Glu	Ara	Δra		His	Leu	Phe	Val	-	Asp	Pro	Gln	Thr	
85		145	0,0	501	014	9	150	_,.		200		155	· · · ·				160	
86			Lvs	Cvs	Ser	Cvs		Asn	Thr	Asp	Ser		Cvs	Lvs	Ala	Ara		
87		·] -	~,~	-,-		165	-,-				170		-1-	,		175		
88		Leu	Glu	Leu	Asn		Ara	Thr	Cvs	Arg			Lvs	Pro	Ara			
89			~		180		9		- , -	185	- , ~		-,-		190	9		
90	<210>	SEO	ID 1	NO 3											•			
91	<211>				1													
92	<212>																	
93	<213>				ucle	otide	e Sec	quen	ce of	f som	4175							
94	<220>							_										

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/765,588 DATE: 09/01/98 PAGE: 3

TIME: 16:14:03

95	<221>	NAMI	E/KES	7: C1	os													
96	<222>					623)											
97	<400>				•	•	•											
98		_			cct o	etg o	ctc	cgc (cgc (ctg	ctg (ctc	gcc (gca d	ctc	ctg (cag	47
99			_	_		-		_	_	_	_		_	_		Leu (_	
100			1				5	•	_			10					15	
101		ctq	qcc	ccc	gcc	cag	gcc	cct	gtc	tcc	cag	cct	gat	gcc	cct	ggc	cac	95
102		_	-		_	_	_		-		_		_	_		Gly		
103						20					25		_			30		
104		cag	agg	aaa	gtg	gtg	tca	tgg	ata	gat	gtg	tat	act	cgc	gct	acc	tgc	143
105		Gln	Arg	Lys	Val	Val	Ser	Trp	Ile	Asp	Val	Tyr	Thr	Arg	Ala	Thr	Cys	
106		•			35					40					45			
107	·	cag	ccc	cgg	gag	gtg	gtg	gtg	ccc	ttg	act	gtg	gag	ctc	atg	ggc	acc	191
108		Gln	Pro	Arg	Glu	Val	Val	Val	Pro	Leu	Thr	Val	Glu	Leu	Met	Gly	Thr	
109				50					55					60				
110																tgt		239
111		Val	Ala	Lys	Gln	Leu	Val	Pro	Ser	Cys	Val	Thr	Val	Gln	Arg	Cys	Gly	
112			65					70					75					
113																cag		287
114		Gly	Cys	Cys	Pro	Asp	Asp	Gly	Leu	Glu	Cys		Pro	Thr	Gly	Gln		
115		80					85					90					95	
116			_		_	_			_				_		_	cag	_	335
117	•	Gln	Val	Arg	Met		Ile	Leu	Met	Ile	_	Tyr	Pro	Ser	Ser	Gln	Leu	
118				_		100					105					110		
119				_		_	_	_			_	_	-	_	_	cct		383
120		Gly	Glu	Met		Leu	Glu	Glu	His		Gln	Cys	Glu	Cys	-	Pro	Lys	
121					115					120					125			40.
122			_	_	_	_		_		_		_	_			cac		431
123		гàг	ьys	_	Ser	А1а	vaı	гàг		Asp	arg	Ата	АТА		Pro	His	HIS	
124				130					135		.			140		~~~		470
125	•	_		_		_		-	_			_		_		gga		479
126 127		Arg	145	GIN	PIO	ALG	Ser	150	PIO	GIY	пъ	Asp	155	Ala	FIO	Gly	MIG	
127		-			aa+	~~~	a+a		cat	~~~	20+	CC2		cca	~~~	ccc	+c+	527
129					_	_							_			Pro		32,
130		160	Ser	FIO	ATG.	nsp	165	****	1115	110	1111	170	AIG	110	GLy	110	175	
131			cac	act	aca	ccc		acc	acc	age	acc	-	acc	ccc	aaa	cct		575
132		_		_	_		_			_	-	_				Pro	_	3,3
133		nia		AIG	n_u	180	501				185				- 1	190	1124	
134		act	acc	act	acc		acc	gca	act	tcc		att	acc	aaσ	aac	ggg	act	623
135																Gly		
136			•		195	<u>F</u>				200				-1-	205	1		
137		taga	aacto	caa d		aca	cc to	qcaq	atac	c qq	aagct	taca	aaq	gtgad		atqq	cttttc	683
138		_	_		_	_					_		_	-			ggagcc	
139																	gacctg	
140					_												caggac	
141				_				_		_		_					ggagaa	
142				-		_			_	_		-					gctctt	
143			_	_		-				-		_	-				acaaga	
144								aaaa									-	1094
			-			•			_		~ -							

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/765,588 DATE: 09/01/98 PAGE: TIME: 16:14:03

145	<210>	SEQ	ID :	NO 4														
146	<211>	LEN	GTH:	207														
147	<212>	TYP	E: P	RT														
148	<213>	ORG	ANIS	M: N	ucle	otid	e Se	quen	ce of	E SOI	M175							
149	<400>	SEQ	UENC:	E: 4				_										
150		Met	Ser	Pro	Leu	Leu	Arg	Arg	Leu	Leu	Leu	Ala	Ala	Leu	Leu	Gln	Leu	
151		1				5	_	_			10					15		
152		Ala	Pro	Ala	Gln	Ala	Pro	Val	Ser	Gln	Pro	Asp	Ala	Pro	Gly	His	Gln	
153					20					25		_			30			
154		Arg	Lys	Val	Val	Ser	Trp	Ile	Asp	Val	Tyr	Thr	Arg	Ala	Thr	Cys	Gln	
155		Ū	-	35			_		40		-		_	45		-		
156		Pro	Arg	Glu	Val	Val	Val	Pro	Leu	Thr	Val	Glu	Leu	Met	Gly	Thr	Val	
157			50					55					60		-			
158		Ala	Lys	Gln	Leu	Val	Pro	Ser	Cys	Val	Thr	Val	Gln	Arg	Cys	Gly	Gly	
159		65	_				70		•			75		_	-	-	80	
160				Pro	Asp	Asp	Gly	Leu	Glu	Cys	Val	Pro	Thr	Gly	Gln	His	Gln	
161		-	•		•	85	•			•	90			-		95		
162		Val	Arq	Met	Gln	Ile	Leu	Met	Ile	Arq	Tyr	Pro	Ser	Ser	Gln	Leu	Gly	
163			_		100					105	-				110		_	
164		Glu	Met	Ser	Leu	Glu	Glu	His	Ser	Gln	Cys	Glu	Cys	Arg	Pro	Lys	Lys	
165				115					120		-		-	125		_	_	
166		Lys	Asp	Ser	Ala	Val	Lys	Pro	Asp	Arg	Ala	Ala	Thr	Pro	His	His	Arg	
167		-	130				_	135	_	_			140				_	
168		Pro	Gln	Pro	Arg	Ser	Val	Pro	Gly	Trp	Asp	Ser	Ala	Pro	Gly	Ala	Pro	
169		145			_		150		_	_	_	155			_		160	
170		Ser	Pro	Ala	Asp	Ile	Thr	His	Pro	Thr	Pro	Ala	Pro	Gly	Pro	Ser	Ala	
171					_	165					170			_		175		
172		His	Ala	Ala	Pro	Ser	Thr	Thr	Ser	Ala	Leu	Thr	Pro	Gly	Pro	Ala	Ala	
173					180					185					190			
174		Ala	Ala	Ala	Asp	Ala	Ala	Ala	Ser	Ser	Val	Ala	Lys	Gly	Gly	Ala		
175				195					200					205				
176	<210>	SEQ	ID 1	NO 5														
177	<211>	LENG	GTH:	993														
178	<212>	TYP	E: D	NA														
179	<213>	ORG	ANIS	M: N	uc. S	Seq.	of s	SOM1	75 Ak	sent	t Exc	on 6						
180	<220>	FEA:	TURE	:														
181	<221>	NAM	E/KE	Y: C	DS													
182	<222>	LOC	ATIO	N: (3)	(566))											
183	<400>	SEQ	UENC	E: 5														
184		CC 8	atg a	agc (cct o	ctg d	ctc o	cgc o	ege d	ctg o	ctg o	ctc	gcc g	gca d	ctc	ctg o	ag	47
185		ŀ	Met :	Ser 1	Pro I	ieu I	Leu A	Arg A	Arg I	Leu I	Leu 1	Leu A	Ala <i>l</i>	Ala 1	Leu 1	Leu C	3ln	
186			1				5					10					15	
187		ctg	gcc	ccc	gcc	cag	gcc	cct	gtc	tcc	cag	cct	gat	gcc	cct	ggc	cac	95
188		Leu	Ala	Pro	Ala	Gln	Ala	Pro	Val	Ser	Gln	Pro	Asp	Ala	Pro	Gly	His	
189						20					25					30		
190		cag	agg	aaa	gtg	gtg	tca	tgg	ata	gat	gtg	tat	act	cgc	gct	acc	tgc	143
191		Gln	Arg	Lys	Val	Val	Ser	Trp	Ile	Asp	Val	Tyr	Thr	Arg	Ala	Thr	Cys	
192					35					40					45			
193		cag	ccc	cgg	gag	gtg	gtg	gtg	ccc	ttg	act	gtg	gag	ctc	atg	ggc	acc	191
194		Gln	Pro	Arg	Glu	Val	Val	Val	Pro	Leu	Thr	Val	Glu	Leu	Met	Gly	Thr	

PAGE: 5 RAW SEQUENCE LISTING DATE: 09/01/98

PATENT APPLICATION US/08/765,588 TIME: 16:14:03

195				50					55					60				
196																tgt		239
197	•	Val	Ala	Lys	Gln	Leu	Val	Pro	Ser	Cys	Val	Thr	Val	Gln	Arg	Cys	Gly	
198			65					70					75					
199																cag		287
200	(Gly	Cys	Cys	Pro	Asp	Asp	Gly	Leu	Glu	Cys	Val	Pro	Thr	Gly	Gln	His	
201		80					85	-				90					95	
202																cag		335
203	(Gln	Val	Arg	Met	Gln	Ile	Leu	Met	Ile	Arg	Tyr	Pro	Ser	Ser	Gln	Leu	
204						100					105					110		
205	•	ggg	gag	atg	tcc	ctg	gaa	gaa	cac	agc	cag	tgt	gaa	tgc	aga	cct	aaa	383
206	•	Gly	Glu	Met	Ser	Leu	Glu	Glu	His	Ser	Gln	Cys	Glu	Cys	Arg	Pro	Lys	
207					115					120					125			
208		aaa	aag	gac	agt	gct	gtg	aag	cca	gat	agc	ccc	agg	CCC	ctc	tgc	cca	431
209		Lys	Lys	Asp	Ser	Ala	Val	Lys	Pro	Asp	Ser	Pro	Arg	Pro	Leu	Cys	Pro	
210				130					135					140				
211	(cgc	tgc	acc	cag	cac	cac	cag	cgc	cct	gac	CCC	cgg	acc	tgc	cgc	tgc	479
212		Arg	Cys	Thr	Gln	His	His	Gln	Arg	Pro	Asp	Pro	Arg	Thr	Cys	Arg	Cys	
213			145					150					155					
214	1	cgc	tgc	cga	cgc	cgc	agc	ttc	ctc	cgt	tgc	caa	ggg	cgg	ggc	tta	gag	527
215		Arg	Cys	Arg	Arg	Arg	Ser	Phe	Leu	Arg	Cys	Gln	Gly	Arg	Gly	Leu	Glu	
216		160					165					170					175	
217	•	ctc	aac	cca	gac	acc	tgc	agg	tgc	cgg	aag	ctg	cga	agg	tga	cacat	tgg	576
218		Leu	Asn	Pro	Asp	Thr	Cys	Arg	Cys	Arg	Lys	Leu	Arg	Arg				
219						180					185							
219 220		cttt	tcag	gac 1	tcago		gt ga	actt	gccto	e aga		tata	tcc	agte	ggg (ggaad	caaagg	636
						aggg					aggct						caaagg ctctag	
220	•	ggag	gcct	gt a	aaaa	caggo aacao	gc ca	agco	ccca	aga	aggct	cagc	cca	ggcag	gaa 🤄	gctg		696
220 221	9	ggag gac	gcctg ctggg	ggt a	aaaa totoa	aggg aacag agagg	gc ca	aagco tctto	ccca	a aga	agget accto cccti	agc tgtc	ccaq tcc	ggcaq ctgaq	gaa g ggc (gctgo catco	ctctag	696 756
220 221 222	9	ggag gaco cago	gcctg ctggg gacag	ggt a gcc t gag t	aaaaa totoa ttgga	aggg aacag agagg aagag	ge ca gg ct gg ag	aagco totto gacto	ccca ctgca ggga	a aga c ato g gca	agget accto ccctt agcaa	cagc tgtc agag	tcca ggg ^t	ggcag etgag tcaca	gaa g ggc (ata (gctgo catco ccago	ctctag atcaaa	696 756 816
220 221 222 223	9	ggag gaco cago ggag	gcctg ctggg gacag gaatg	ggt a gcc t gag t gga g	aaaa totoa ttgga gtaci	aggg acag agagg aggg aggt cgtc1	ge ca gg ci gg aq te aq	aagco tetto gaeto gttto	cccca ctgca gggaa ctaa	a aga c ato g gca c cao	agget accto ccctt agcas ctcto	eagc tgtc agag gtgc	tcca gggf aagf	ggcag etgag ecaca eaag	gaa g ggc d ata d cat d	gctgo catca ccago cttao	ctctag atcaaa ctcagg	696 756 816 876
220 221 222 223 224		ggag gac ggag gct gct acaa	geete etgge gacae gaate ette agaae	ggt age t gag t gga g etc o	aaaaa totoa ttgga gtact	aggg aacag agagg aagag agtct	ge ca gg ci gg ag te ag aa ga	aagco tetto gaeto gttto aagao	cccca ctgcc gggaq ctaac ccaa	a aga c ato g gca c cao	agget acett ecett agea etete	eage tgtc agag gtgc gcat	tcca gggd aagd aatd	ggcag etgag tcaca taaga ggga	gaa g ggc d ata d cat d ctt g	gctgo catca ccago cttao	ctctag atcaaa ctcagg caactg tttggt	696 756 816 876
220 221 222 223 224 225	9	ggag gac ggag gct gct acaa	geete etgge gacae gaate ette agaae	ggt age t gag t gga g etc o	aaaaa totoa ttgga gtact	aggg aacag agagg aagag agtct	ge ca gg ci gg ag te ag aa ga	aagco tetto gaeto gttto aagao	cccca ctgcc gggaq ctaac ccaa	a aga c ato g gca c cao	agget acett ecett agea etete	eage tgtc agag gtgc gcat	tcca gggd aagd aatd	ggcag etgag tcaca taaga ggga	gaa g ggc d ata d cat d ctt g	gctgo catca ccago cttao gggc	ctctag atcaaa ctcagg caactg tttggt	696 756 816 876 936
220 221 222 223 224 225 226		ggag gaco cago ggag gcto acaa SEQ	geete gacag gaate gaate ettee agaae	ggt a gcc t gag t gga g etc o etg t	aaaaa totoa ttgga gtact	aggg aacag agagg aagag agtct	ge ca gg ci gg ag te ag aa ga	aagco tetto gaeto gttto aagao	cccca ctgcc gggaq ctaac ccaa	a aga c ato g gca c cao	agget acett ecett agea etete	eage tgtc agag gtgc gcat	tcca gggd aagd aatd	ggcag etgag tcaca taaga ggga	gaa g ggc d ata d cat d ctt g	gctgo catca ccago cttao gggc	ctctag atcaaa ctcagg caactg tttggt	696 756 816 876 936
220 221 222 223 224 225 226 227	<210>	ggaggaggaggggggggggggggggggggggggggggg	geete etgge gaate ettec agaac ID 1	ggt a gec t gag t gga g etc o etg t 10 6	aaaaa totoa ttgga gtact	aggg aacag agagg aagag agtct	ge ca gg ci gg ag te ag aa ga	aagco tetto gaeto gttto aagao	cccca ctgcc gggaq ctaac ccaa	a aga c ato g gca c cao	agget acett ecett agea etete	eage tgtc agag gtgc gcat	tcca gggd aagd aatd	ggcag etgag tcaca taaga ggga	gaa g ggc d ata d cat d ctt g	gctgo catca ccago cttao gggc	ctctag atcaaa ctcagg caactg tttggt	696 756 816 876 936
220 221 222 223 224 225 226 227 228	<210> 3 <211> 1 <212> 2 <213> 6	ggaggaggaggggggggggggggggggggggggggggg	geete etgge gaate gaate ettec agaac ID N ETH:	ggt a ggc d gga g gtc o ctg d vo 6 188 RT	aaaaa tetea ttgga ttact ceete	caggo aacao agago aagao cgtct cacto	ge ca gg et gg aq te aq aa ga	aaged tette gaete gatte aagae eetga	cccca ctgcc gggaq ctaac ccca ataaa	a aga c ato g gca c cao a aco a aga	agget accto ccctt agcaa ctcto ctcto agato	eage tgte agag gtge geat ggaa	tcca gggd aagd aatd	ggcag etgag tcaca taaga ggga	gaa g ggc d ata d cat d ctt g	gctgo catca ccago cttao gggc	ctctag atcaaa ctcagg caactg tttggt	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229	<210> 3 <211> 1 <212> 2 <213> 3 <400> 3	ggaggaggagggaggggggggggggggggggggggggg	geete etgge gaate gaate ette agaac ID M ETH: E: PE ANISM JENCE	ggt age d ggg d gga g etc o etg d NO 6 188 RT 4: No	aaaaa totoa ttgga gtact cocto tgaco	caggo aacag agago aagag cgtct cacta cccca	gc ca gg ch gg ag tc ag aa ga aa co	aagco tetto gaeto gttto aagao cetga	eccea gggag etaac eccaa ataaa	a aga c ato g gca c cao a aco a aga	agget accto cccti agcas ctcto ctcto agato	eage tgtc agag gtgc gcat ggaa	tcce gggd aagd aate ggaa	ggcag ctgag caag ggga aaaa	gaa g ggc d ata d cat d ttt g aaa a	getge catea ceage cttae ggget aaaaa	ctctag atcaaa ctcagg caactg tttggt aaa	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230	<210> 3 <211> 1 <212> 2 <213> 3 <400> 3	ggaggaggagggaggggggggggggggggggggggggg	geete etgge gaate gaate ette agaac ID M ETH: E: PE ANISM JENCE	ggt a gcc f gag f gga g etc o etg f NO 6 188 RT M: No	aaaaa totoa ttgga gtact cocto tgaco	caggo aacag agago aagag cgtct cacta cccca	gc ca gg ch gg ag tc ag aa ga aa co	aagco tetto gaeto gttto aagao cetga	eccea gggag etaac eccaa ataaa	a aga c ato g gca c cao a aco a aga	agget accto cccti agcas ctcto ctcto agato	eage tgtc agag gtgc gcat ggaa	tcce gggd aagd aate ggaa	ggcag ctgag caag ggga aaaa	gaa g ggc d ata d cat d ttt g aaa a	gctgo catca ccago cttao gggc	ctctag atcaaa ctcagg caactg tttggt aaa	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231	<210> : <211> : <212> : <213> : <400> :	ggag gacc cagg gctc acac SEQ LENC TYPE ORGA SEQU Met	geete gacac gaate ttte agaac ID N GTH: E: PH ANISM JENCE Ser	ggt agge gga gga getc of the control	aaaaa totoa ttgga gtact cocto tgaco	saggerada agagerada agager	ge ca gg ct gg ag tc ag aa ga aa co	aagco tetto gacto gttto aagao ectga	ccca ctgco gggag ctaac ccca ataaa 75 Al	a aga c ato g gca c cao a aco a aga	aggot accto agcas ctcto ctcto agato Leu 10	eage tgtc agag gtgc gcat ggaa on 6	tcco gggd aagd aato ggaa	ggcag ctgag caca aaggga aaaaa	gaa ggc gata gata gata gata gata gata ga	gctgo catca ccago cttao gggct aaaaa Gln 15	ctctag atcaaa ctcagg caactg tttggt aaa	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231 232	<210> : <211> : <212> : <213> : <400> :	ggag gacc cagg gctc acac SEQ LENC TYPE ORGA SEQU Met	geete gacac gaate ttte agaac ID N GTH: E: PH ANISM JENCE Ser	ggt agge gga gga getc cetg for 188 RT 4: Note: 6 Pro	aaaaa totoa ttgga gtact cocto tgaco	saggerada agagerada agager	ge ca gg ct gg ag tc ag aa ga aa co	aagco tetto gacto gttto aagao ectga	ccca ctgco gggag ctaac ccca ataaa 75 Al	a aga c ato g gca c cao a aco a aga	aggot accto agcas ctcto ctcto agato Leu 10	eage tgtc agag gtgc gcat ggaa on 6	tcco gggd aagd aato ggaa	ggcag ctgag caca aaggga aaaaa	gaa ggc gata gata gata gata gata gata ga	getge catea ccage cttae ggget aaaaa	ctctag atcaaa ctcagg caactg tttggt aaa	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231 232 233	<210> : <211> : <212> : <213> : <400> :	ggag gacc cagg gctc acac SEQ LENC TYPE ORGA SEQU Met	geete gacac gaate ttte agaac ID N GTH: E: PH ANISM JENCH	ggt agge gga gga getc cetg for 188 RT 4: Note: 6 Pro	aaaaa totoa ttgga gtact cocto tgaco	saggerada agagerada agager	ge ca gg ct gg ag tc ag aa ga aa co	aagco tetto gacto gttto aagao ectga	ccca ctgc gggag ctaac ccca ataaa 75 Al	a aga c ato g gca c cao a aco a aga	aggot accto agcas ctcto ctcto agato Leu 10	eage tgtc agag gtgc gcat ggaa on 6	tcco gggd aagd aato ggaa	ggcag ctgag caca aaggga aaaaa	gaa ggc gata gata gata gata gata gata ga	gctgo catca ccago cttao gggct aaaaa Gln 15	ctctag atcaaa ctcagg caactg tttggt aaa	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236	<210> 3 <211> 1 <212> 3 <213> 6 <400> 3	ggag gacc cagg ggag gctc acaa SEQ LENC TYPE ORGA SEQU Met 1 Ala	gecto etggo gacac gaato ettec agaac ID M ETH: E: PH ANISM JENCE Ser	ggt agge to gga gga gete of the following street of th	aaaaa totoa ttgga gtact cocto tgaco uc. S Leu Gln 20	Seq. Leu 5 Ala	gc ca gg cd gg ag tc ag aa ga aa cc of S	aagco tetto gacto gttto aagao ectga SOM17	ccca etgco gggag etaac ecca ataaa 75 Ak Leu	a aga c ato g gca c cao a aco a aga osent Leu Gln 25	aggot accto cccti agcas ctcto ctcto agato Leu 10 Pro	eage tgtc agag gtgc gcat ggaa on 6 Ala	tccc gggf aagf aatc ggaa	ggcag ctgag caca caag ggga aaaaa Leu	gaa ggc data data data data data data data dat	gctgo catca ccago cttao gggct aaaaa Gln 15	ctctag atcaaa ctcagg caactg tttggt aaa Leu Gln	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237	<210> 3 <211> 1 <212> 3 <213> (400> 3)	ggag gacc cagg ggag gctc acaa SEQ LENC TYPE ORGA SEQU Met 1 Ala	geetgeetggacaggaatgeettecaggaac	ggt a ggc t ggg t gga g ctc o ctg t NO 6 188 RT 4: No E: 6 Pro Ala Val	Leu Gln 20 Val	sagge aacag agage agage cacta cacta cacta cacta sa sacta sacta sacta sacta sacta s sacta s sacta s sacta s sacta s sa s s	gc ca gg ag tc ag tc ag aa ga aa co of S Arg Pro	aagco tctto gacto gttto aagao cctga SOM17 Arg Val	ccca etgco gggag ctaac ccca ataaa 75 Ak Leu Ser Asp	e aga c ato g gca c cao a aco a aga Dsent Leu Gln 25 Val	aggot accto cccti agcas ctcto ctcto Exc Leu 10 Pro	eage tgtc agag gtgc gcat ggaa on 6 Ala Asp	ccag tccc gggf aagf aatg ggaa Ala Ala	Leu Pro	gaa ggc data cat cat cat cat cat cat cat cat cat	gctgo catca ccago cttao gggct aaaaa Gln 15 His	ctctag atcaaa ctcagg caactg tttggt aaa Leu Gln Gln	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236	<210> 3 <211> 1 <212> 3 <213> (400> 3)	ggag gacc cagg ggag gctc acaa SEQ LENC TYPE ORGA SEQU Met 1 Ala	geetgeetggacaggaatgeettecaggaac	ggt a ggc t ggg t gga g ctc o ctg t NO 6 188 RT 4: No E: 6 Pro Ala Val	Leu Gln 20 Val	sagge aacag agage agage cacta cacta cacta cacta sa sacta sacta sacta sacta sacta s sacta s sacta s sacta s sacta s sa s s	gc ca gg ag tc ag tc ag aa ga aa co of S Arg Pro	aagco tctto gacto gttto aagao cctga SOM17 Arg Val	ccca etgco gggag ctaac ccca ataaa 75 Ak Leu Ser Asp	e aga c ato g gca c cao a aco a aga Dsent Leu Gln 25 Val	aggot accto cccti agcas ctcto ctcto Exc Leu 10 Pro	eage tgtc agag gtgc gcat ggaa on 6 Ala Asp	ccag tccc gggf aagf aatg ggaa Ala Ala	Leu Pro	gaa ggc data cat cat cat cat cat cat cat cat cat	gctgo catca ccago cttao gggc aaaaa Gln 15 His	ctctag atcaaa ctcagg caactg tttggt aaa Leu Gln Gln	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237	<210> ; <211> ; <212> ; <213> ; <400> ;	ggaggaggaggaggaggaggaggaggaggaggaggagga	gcctgctggacacgaatcgaatcgaaacgaatcgaaacgaacg	ggt agget ag	Leu Gln 20 Val	Seq. Leu 5 Ala Ser	of S Arg Pro Trp	aagcotctto	ccca gggag ctaac ccca ataaa 75 Al Leu Ser Asp 40 Leu	a aga ata aga aga aga aga aga aga aga ag	egget acctor agcas ctctor ctctor agator Eeu 10 Pro	eage tgtc agag gtgc gcat ggaa on 6 Ala Asp Thr	ccase tccs gggs aagt aats ggaa Ala Ala Arg	Leu Pro Ala 45	Leu Gly 30 Thr	gctgccatca ccagccttac gggcdaaaaa Gln 15 His Cys	ctctag atcaaa ctcagg caactg tttggt aaa Leu Gln Gln val	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238	<210> ; <211> ; <212> ; <213> ; <400> ;	ggac gac ggac ggct acaa SEQ LENC TYPE ORGA SEQU Met l Ala Arg	gcctgctggacacgaatcgaatcgaaacgaatcgaaacgaacg	ggt agget ag	Leu Gln 20 Val	Seq. Leu 5 Ala Ser	of S Arg Pro Trp	aagcotctto	ccca gggag ctaac ccca ataaa 75 Al Leu Ser Asp 40 Leu	a aga ata aga aga aga aga aga aga aga ag	egget acctor agcas ctctor ctctor agator Eeu 10 Pro	eage tgtc agag gtgc gcat ggaa on 6 Ala Asp Thr	ccase tccs gggs aagt aats ggaa Ala Ala Arg	Leu Pro Ala 45	Leu Gly 30 Thr	gctgo catca ccago cttao gggct aaaaa Gln 15 His	ctctag atcaaa ctcagg caactg tttggt aaa Leu Gln Gln val	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239	<210> 3	ggac gac ggac ggac acaa SEQ LENO TYPE ORGA SEQU Met 1 Ala Arg	gectogetgggaadgaadgaadgaadgaadgaadgaadgaadgaadg	ggt agget ag	Leu Cla Control Co	Seq. Leu Ser Val	of S Arg Pro Val	aagcotctto	ccca etgco gggag etaac ecca ataac 75 Al Leu Ser Asp 40 Leu	a aga ato gca acca acca aga osent	Leu 10 Pro Tyr Val	eage tgtc agag gtgc gcat ggaa on 6 Ala Asp Thr Glu Val	Ala Ala Arg Leu 60 Gln	Leu Pro Ala 45 Met	Leu Gly Gly Cys	gctgocatca ccagocttac gggcaaaaa Gln 15 His Cys	ctctag atcaaa ctcagg caactg tttggt aaa Leu Gln Gln Val Gly 80	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240	<210> 3	ggac gac ggac ggac acaa SEQ LENO TYPE ORGA SEQU Met 1 Ala Arg	gectogetgggaadgaadgaadgaadgaadgaadgaadgaadgaadg	ggt agget ag	Leu Cla Control Co	Seq. Leu Ser Val	of S Arg Pro Val	aagcotctto	ccca etgco gggag etaac ecca ataac 75 Al Leu Ser Asp 40 Leu	a aga ato gca acca acca aga osent	Leu 10 Pro Tyr Val	eage tgtc agag gtgc gcat ggaa on 6 Ala Asp Thr Glu Val	Ala Ala Arg Leu 60 Gln	Leu Pro Ala 45 Met	Leu Gly Gly Cys	gctgccatca ccaggccttac gggccaaaaa Gln 15 His Cys Thr	ctctag atcaaa ctcagg caactg tttggt aaa Leu Gln Gln Val Gly 80	696 756 816 876 936
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	<210> 3	ggaggaggaggaggaggaggaggaggaggaggaggagga	gcctgetgggacaggaatgettcoaggaatgettcoaggaacgettcoaggacaggacaggacaggacaggacaggacaggaca	ggt agget ag	Leu Gln 20 Val Leu Asp	saggerada agagerada agager	of S Arg Pro Trp Val Pro Gly	aagcotcttogactcggtttogacgacctgacctgacctg	ccca etgco gggag ctaac ccaa ataaa 75 Ak Leu Ser Asp 40 Leu Cys	a aga ato g ca a ac a aga ac ac a aga ac ac a aga ac ac a aga ac	agget accto acctt agcas ctcto ctcto agato Tyr Val Thr	agc tgtc agag gtgc gcat ggaa on 6 Ala Asp Thr Glu Val 75 Pro	Ala Ala Arg Leu 60 Gln	Leu Pro Ala 45 Met	Leu Gly 30 Thr Gly Cys	gctgocatca ccagocttac gggcaaaaa Gln 15 His Cys	ctctag atcaaa ctcagg caactg tttggt aaa Leu Gln Gln Val Gly 80 Gln	696 756 816 876 936

PAGE: 6

VERIFICATION SUMMARY
PATENT APPLICATION US/08/765,588

DATE: 09/01/98 TIME: 16:14:03

Input Set: H765588.RAW

Line ? Error/Warning

Original Text